

## ABSTRACT OF THE DISCLOSURE

A data driver for driving multiple data lines on an LCD panel according to multiple channels of pixel data. In the data driver, a digital buffer receives and stores the pixel data at several times and selectively outputs a channel of the pixel data at a time. A DAC receives the pixel data output from the digital buffer at several times, converts the pixel data into multiple channels of analog pixel data and outputs the analog pixel data at several times. An analog buffer receives the analog pixel data output from the DAC at several times and outputs the analog pixel data at a time. An output buffer receives the analog pixel data output from the analog buffer so as to drive the data lines.

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